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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/601,958	08/10/2000	JYOTI KIRON BHARDWAJ	WLJ.056	5262
75	90 05/30/2002			
JONES VOLENTINE,LLC 12200 SUNRISE VALLEY DRIVE SUITE 150			EXAMINER	
			HASSANZADEH, PARVIZ	
RESTON, VA 20191			ART UNIT	PAPER NUMBER
			1763 DATE MAILED: 05/30/2002	10

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No.			ン				
## Defice Action Summary    Examiner		Application No.	Applicant(s)				
Parriz Hassanzadeh    Parriz Hassanzadeh   1763		09/601,958	BHARDWAJ ET AL.				
The MALING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE £ MONTH(\$) FROM THE MALING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the processions of 3°CFR1.136(t), In no event, however, may a reply be timely liked by the period for reply specified above, be maximum attatutory paired was poly and will expire \$50 (MONTHS from the malling) date of the period for reply specified above, be maximum statutory paired was poly and will expire \$50 (MONTHS from the malling date of the communication reply will be period for reply specified above, be maximum statutory paired was poly and will expire \$50 (MONTHS from the malling date of the communication reply will be addressed to reply specified above, be maximum statutory paired was poly and will expire \$50 (MONTHS from the malling date of the communication reply will be addressed to reply well be reply well be addressed to reply be addressed to reply we	Oπice Action Summary	Examiner	Art Unit				
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A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provision of 3 or CPR 1.156(a), in an event, however, may a reply be timely filed  if the period for reply specified above is less than thirty (30) days, a reply white the statutory minimum of thinty (30) days, a reply white the statutory minimum of thinty (30) days, a reply white the statutory minimum of thinty (30) days, and will expend for reply specified above is the stem of the statutory minimum of thinty (30) days, a reply white the statutory minimum of the maining date of this communication.  Final the reply white the statutory the product of the statutory minimum of the maining date of this communication.  Final the reply white the statutory the statutory minimum of the communication of the statutory minimum of the stat		ears on the cover sheet with the c	orrespondence address				
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## **DETAILED ACTION**

## Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-24, 26-34, 47 and 48, drawn to an apparatus.

Group II, claim(s) 35-46 and 49, drawn to a method.

The inventions listed as Groups I and II do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: group I requires special technical features of a substrate support and an attenuation means while are not required by group II.

This application contains claims directed to more than one species of the generic invention. These species are deemed to lack unity of invention because they are not so linked as to form a single general inventive concept under PCT Rule 13.1.

The species are as follows:

Species 1 - Embodiment 1, pages 18-20, Figs. 1, 2;

Species 2 - Embodiment 2, pages 20-21, Fig. 3,4;

Species 3 - Embodiment 3, pages 21-22, Fig. 5;

Species 4 - Embodiment 4, pages 22, Fig. 6;

Species 5 - Embodiment 5, page 22 , Fig. 7;

Species 6 - Embodiment 6, pages 22-23, Fig. 8;

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Species 7 - Embodiment 7, pages 24-25, Fig. 9;

Species 8 - Embodiment 8, pages 25-26, Fig. 10;

Species 9 - Embodiment 9, pages 26-27, Fig. 11;

Species 10 - Embodiment 10, page 27, Fig. 1 2A, 12B;

Species 11 - Embodiment 11, pages 27-28, Fig. 13;

Applicant is required, in reply to this action, to elect a single species to which the claims shall be restricted if no generic claim is finally held to be allowable. The reply must also identify the claims readable on the elected species, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered non-responsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

The claims are deemed to correspond to the species listed above in the following manner:

Species 1: claims 1, 2, 4, 6-9, 12-15, 21, 26-28

Species 2: claims 1, 2, 4, 6-15, 21, 26-28

Species 3: claims 1, 2, 4, 6, 16, 26-28

Species 4: claims 1, 17, 18, 26

Species 5: claims 1, 17, 18, 26

Species 6: claims 1, 3, 5, 17-20, 26

Species 7: claims 1, 3, 7, 19, 26-28, 47, 48

Species 8: claims 1, 7, 26-28

Species 9: claims 1, 7, 22-24, 26-30, 32-34

Species 10: claims 1, 7, 22-24, 26, 27-31, 34

Species 11: claims 1, 2, 3, 5, 7, 19, 20, 22-24, 26, 27-30, 32-34

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The following claim(s) are generic:

claims 1 and 26, including an attenuation means, are generic to species 1-11; claims 29, 34, including a guiding means, are generic to species 9, 10, 11.

The species listed above do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, the species lack the same or corresponding special technical features for the following reasons:

Species 1: including a series of parallel tubes 11 mounted in a plane parallel to the surface of the plate 6.

Species 2: including permanent magnet carrying tubes 14 extending vertically and being placed in a cage arrangement to form an internal magnetic bucket, with each tube substantially parallel to the dielectric window 9 and sidewall 8.

Species 3: including strong magnets 17 disposed adjacent to the sidewall 8, just bellow the level of the dielectric window 9.

Species 4: including a horizontally disposed grid 18 located across the chamber 2, separating the plasma production region, adjacent to the dielectric window, from the wafer 7.

Species 5: including a grid 20 having apertures 21 is of cylindrical form and a gas may be fed in at either or both of inlet 3 or a second inlet 3A.

Species 6: including a grid 18 located part way down a dielectric window 22; and two antennas 23, 24 are wound around the dielectric window 22; and an additional gas may be fed at a location below the grid 18.

Species 7: including a subsidiary chamber 28 having dielectric window 29 which is wound around by an antenna 30 constituting a pulse plasma source; and further including a magnet 34 positioned around an aperture 27.

Species 8: including a subsidiary chamber 28 having dielectric window 35 which is wound around by an antenna 30 constituting a pulse plasma source; and further including a magnet 34 positioned around an aperture 27, wherein the lower portion of the subsidiary chamber comprising wall 35 converges at their upper end opposite the end at aperture 27.

Species 9: including a guiding means in the form of a disc 36 positioned above the wafer 7 and below tubes 11 of species 1 and may have one or more apertures therein.

Species 10: including a guiding means having a portion 37A parallel to the wafer 7 and an inclined portion 37B.

Species 11: including a guiding means in the form of a disc 38 disposed in an apparatus of species 6 (Fig. 8) wherein the grid 18 is replaced by an attenuation structure 40 or in an apparatus of species 7 (Fig. 9).

A telephone call was made to Adam C. Volentine on 5/17/02 to request an oral election to the above restriction requirement, but did not result in an election being made.

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Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Parviz Hassanzadeh whose telephone number is (703)308-2050. The examiner can normally be reached on Tuesday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gregory L. Mills can be reached on (703)308-1633. The fax phone numbers for the organization where this application or proceeding is assigned are (703)872-9310 for regular communications and (703)872-9311 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703)308-0661.

Parviz Hassanzadeh

P. Hanongadel

Examiner Art Unit 1763